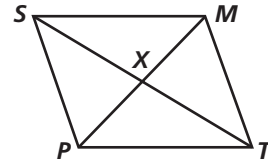


Practice 6-3

Proving That a Quadrilateral Is a Parallelogram

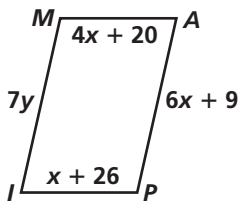
State whether the information given about quadrilateral $SMTP$ is sufficient to prove that it is a parallelogram.



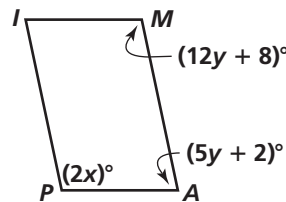
1. $\angle SPT \cong \angle SMT$ _____
2. $\angle SPX \cong \angle TMX, \angle TPX \cong \angle SMX$ _____
3. $\overline{SM} \cong \overline{PT}, \overline{SP} \cong \overline{MT}$ _____
4. $\overline{SP} \cong \overline{MT}, \overline{SP} \parallel \overline{MT}$ _____

Algebra Find the values of x and y for which the figure must be a parallelogram.

5. $x =$ _____, $y =$ _____



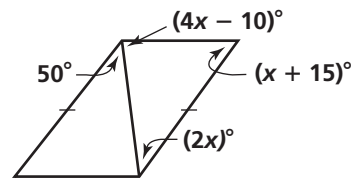
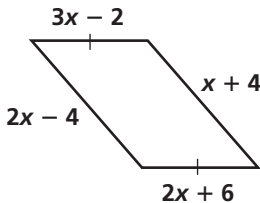
6. $x =$ _____, $y =$ _____



Algebra Find the value of x . Then tell whether the figure must be a parallelogram. Explain your answer.

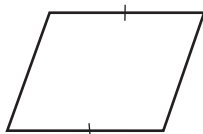
7. _____

8. _____

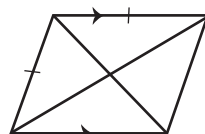


Decide whether the quadrilateral is a parallelogram. Explain your answer.

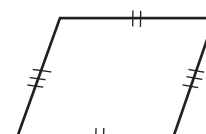
9. _____



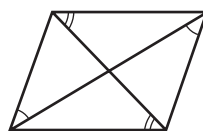
10. _____



11. _____



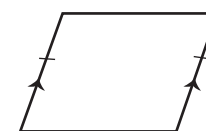
12. _____



13. _____



14. _____



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